

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 1
DEC. 2012

COVER FACE
COVER SECTION
FRAME PLAN

VULCAN FOUNDRY & SUPPLY CO., INC.
POST OFFICE BOX 905
DENHAM SPRINGS, LA. 70728

CALL
HIGGINS FOUNDRY & SUPPLY CO., INC.
POST OFFICE BOX 813159
SMYRNA, GEORGIA 30081
(404) 436-7300
FAX (404) 434-1437

PREVIOUS PATTERN
VM-360

LOAD RATING
HEAVY DUTY

MATERIAL SPECIFICATION
ASTM A 48 CLASS 30

OPEN AREA - SQ. IN.
N/A

ESTIMATED WEIGHT - LBS.
COVER 135
FRAME 225
TOTAL 360

PATTERN BREAKDOWN
V-1327 COVER
V-1327 FRAME

CATALOG NUMBER
V - 2027 - 1

NON-TRAFFIC TYPE COVER

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 2
DEC. 2012

COVER FACE
COVER SECTION
FRAME PLAN

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PREVIOUS PATTERN
VM-360

WATERTIGHT

LOAD RATING
HEAVY DUTY

MATERIAL SPECIFICATION
ASTM A 48 CLASS 30

OPEN AREA - SQ. IN.
N/A

ESTIMATED WEIGHT - LBS.
COVER 135
FRAME 225
TOTAL 360

PATTERN BREAKDOWN
V-2327 COVER
V-2327 FRAME

WATERTIGHT

CATALOG NUMBER
V - 2027 - 1

WATER TIGHT RING AND COVER

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 3
DEC. 2012

COVER FACE
COVER SECTION
FRAME PLAN

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FAX (404) 434-1437

PREVIOUS PATTERN
VM-26

LOAD RATING
HEAVY DUTY

MATERIAL SPECIFICATION
ASTM A 48 CLASS 30

OPEN AREA - SQ. IN.
N/A

ESTIMATED WEIGHT - LBS.
COVER 190
FRAME 250
TOTAL 440

PATTERN BREAKDOWN
V-1328 COVER
V-1328 FRAME

CATALOG NUMBER
V - 2028 - 2

TRAFFIC TYPE COVER

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 4
DEC. 2012

INFLUENT PIPE
CAST IRON RING AND COVER SEE DETAIL SHEET
EFFLUENT PIPE
RING AND COVER SHALL BE FLUSH WITH FINISHED GRADE IN PAVED AREAS. ALL LIFTING HOLES TO BE SEALED BY CONTRACTOR.
SUBMANS AND TRUNK LINES
GROUT (2500 PSI MIN.)
COMPACTED BACKFILL
COUNTING CONE
RISER SECTION
SEE SECTION 3 FOR PROPER JOINT SEALS
BASE SECTION
SEE SECTION 3 FOR PROPER JOINT SEALS
INVERT SEE DETAIL
UNDISTURBED EARTH

STANDARD PRECAST MANHOLE

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 5
DEC. 2012

FINISHED GRADE
RING AND COVER
GROUT
FLAT SLAB TOP
BASE SECTION
UNDISTURBED EARTH

SHALLOW MANHOLE DETAIL

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 6
DEC. 2012

PIPE SHALL EXTEND INSIDE MANHOLE APPROXIMATELY 1 1/2"
PRECAST BASE SECTION
INVERT TABLE AND CHANNELS SHALL HAVE A SMOOTH TROWEL FINISH
INVERT CHANNELS SHALL PROVIDE A SMOOTH TRANSITION BETWEEN THE INFLUENT AND EFFLUENT FLOWS
RUBBER BOOT REQUIRED AT ALL INFLUENT AND EFFLUENT PIPES
PRECAST BASE SECTION
GROUT AROUND PIPES (TYP.) 2" GROUT (TYP.)
SLOPE 1" PER FOOT
PRECAST BASE SECTION
UNDISTURBED EARTH

INVERT DETAIL

DOUGLASVILLE-DOUGLAS COUNTY WATER AND SEWER AUTHORITY
SEWER - FIG 7
DEC. 2012

PRECAST RISER SECTION
STEPS
CAST IN PLACE CONCRETE BOTTOM
EXISTING GRAVITY SEWER LINE
FLOW
MASONRY COLLAR
RUBBER BOOT
NEW SEWER MAIN OR SERVICE
NOTE: ALL EXISTING PIPE EXPOSED DURING EXCAVATION AND CONSTRUCTION OF THE DOGHOUSE MANHOLE SHALL BE REBEDDED CONFORMING TO THE CURRENT BEDDING REQUIREMENTS.
NOTE: INVERT SHALL BE CONSTRUCTED AS SHOWN IN INVERT DETAIL
CONTRACTOR MAY LEAVE INVERT OF EXISTING PIPE
PIPE SHALL BE CUT AT EACH END
CONCRETE WATERSTOP COLLAR
EXISTING GRAVITY SEWER LINE
FLOW
8" MIN.
12" MIN. TYP.
UNDISTURBED EARTH

DOGHOUSE MANHOLE DETAIL

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR
& MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
LIMIT OF ACCESS
REQ'D R/W & LIMIT OF ACCESS

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

DOUGLASVILLE-DOUGLAS COUNTY
WATER AND SEWER AUTHORITY

REVISION DATES	
01-16-15	

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: PROGRAM DELIVERY
WATER AND SEWER DETAILS
SR 92 RELOCATION AND WIDENING
DRAWING No.
44-018